

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	0.360	0.014	0.046	0.008

Table F-1. TMDL Summary for Trewellyn Creek (Segment 971217-1145-ACE)

Major Discharge DO = 6.0 mg/L

Waste Load Allocations											
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction
Source/Upstream Stream Segment											
None											
Total Waste Load Allocations							0.000	0.000	0.000	0.000	
Load Allocations											
Source/Upstream Stream Segment		Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction
Background		0.08	0.79	0.03	0.10	0.02	0.360	0.014	0.046	0.008	0.0 0.0 0.0
Total Load Allocations							0.360	0.014	0.046	0.008	

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	0.360	0.018	0.453	0.046

Table F-2. TMDL Summary for Pine Run (Segment 971215-1300-ACE)

Major Discharge DO = 6.0 mg/L

Waste Load Allocations											
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction
Source/Upstream Stream Segment											
None											
Total Waste Load Allocations							0.000	0.000	0.000	0.000	
Load Allocations											
Source/Upstream Stream Segment		Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction
Background		0.08	0.79	0.04	0.99	0.10	0.360	0.018	0.453	0.046	0.0 0.0 0.0
Total Load Allocations							0.360	0.018	0.453	0.046	

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	34.679	6.877	159.291	4.259

Table F-3. TMDL Summary for Pine Run (Segment 971215-1303-ACE)

Major Discharge DO = 6.0 mg/L

Waste Load Allocations													
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B
Upper Dublin Township	PA0029441	1.6996	3.75	0.75	17.37	0.46	34.319	6.859	158.838	4.213	75.0	70.0	10.1
Total Waste Load Allocations							34.319	6.859	158.838	4.213			

Load Allocations												
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	CBOD5	NH3-N	NO3+NO2-N
Pine Run (971215-1300-ACE)	0.08	0.79	0.04	0.99	0.10	0.360	0.018	0.453	0.046	0.0	0.0	0.0
Total Load Allocations						0.360	0.018	0.453	0.046			

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	93.7851	24.8204	1045.1344	32.9484

Table F-4. TMDL Summary for Sandy Run (Segment 971215-1133-ACE)

Major Discharge DO = 6.0 mg/L

Waste Load Allocations													
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B
Abington Township	PA0026867	6.0495	1.20	0.60	19.98	0.88	39.042	19.520	886.439	28.624	88.0	70.0	34.0
Valley Green Corporate Center	PA0053074	0.0131	5.95	1.97	18.78	3.13	0.418	0.139	1.320	0.220	0.0	0.0	0.0
Total Waste Load Allocations							39.460	19.659	887.759	28.844			

Load Allocations													
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	CBOD5	NH3-N	NO3+NO2-N	
Background	0.11	1.95	0.07	0.50	0.20	1.112	0.040	0.282	0.113	0.0	0.0	0.0	
Pine Run (971215-1303-ACE)	1.78	5.54	0.53	16.37	0.42	53.213	5.122	157.093	3.992	0.0	0.0	0.0	
Total Load Allocations							54.325	5.162	157.375	4.105			

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	53.056	2.039	134.515	3.367

Table F-5. TMDL Summary for Lorraine Run (Segment 971215-1000-ACE)
Major Discharge DO = 6.0 mg/L

Waste Load Allocations												
Name	NPDES	Flow	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction	
										CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B
Sayers, David & Marie	PA0057631	0.0008	9.99	2.24	4.98	0.52	0.042	0.010	0.021	0.002	0.0	0.0
Murray SRSTP	PA0053210	0.0008	9.90	0.52	0.99	0.52	0.042	0.002	0.004	0.002	0.0	0.0
Harris, Albert & Cynthia	PA0051012	0.0006	10.01	2.98	8.00	0.53	0.034	0.010	0.027	0.002	0.0	0.0
Total Waste Load Allocations					0.118	0.022	0.052	0.006				
Load Allocations												
Source/Upstream Stream Segment		Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction	
Coorson's Quarry		12.50	0.79	0.03	2.00	0.05	52.938	2.017	134.463	3.361	0.0	0.0
Total Load Allocations					52.938	2.017	134.463	3.361				

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	59.4217	19.19	671.0047	24.8062

Table F-6. TMDL Summary for Wissahickon Creek (Segment 971218-1345-ACE)
Major Discharge DO = 6.0 mg/L

Waste Load Allocations												
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction	
										CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B
North Wales Boro	PA0022586	1.2898	1.00	0.30	12.12	0.47	6.938	2.081	84.099	3.256	90.0	88.0
Upper Gwynedd Townshi	PA0023256	8.8198	1.10	0.36	12.36	0.43	52.183	17.080	586.593	20.331	89.0	80.0
Bruce K. Entwistle	PA0057576	0.0011	9.92	2.97	1.00	0.49	0.059	0.018	0.006	0.003	0.0	0.0
Merck & Company, Inc.	PA0053538	0.10	0.45	0.02	0.58	2.28	0.241	0.011	0.307	1.216	0.0	0.0
Total Waste Load Allocations					59.422	19.190	671.005	24.806				
Load Allocations												
Source/Upstream Stream Segment		Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction	
Background assumed as release from Merck & Company, Inc. and received a WLA												
Total Load Allocations					0.000	0.000	0.000	0.000				

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	116.473	11.615	661.449	23.335

Table F-7. TMDL Summary for Wissahickon Creek (Segment 971222-1130-ACE)
Major Discharge DO = 6.0 mg/L

Waste Load Allocations										
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
None										
Total Waste Load Allocations							0.000	0.000	0.000	0.000
Load Allocations										
Source/Upstream Stream Segment		Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
Wissahickon Creek (971218-1345-ACE)		10.21	2.11	0.21	12.04	0.42	116.124	11.578	661.298	23.333
Trewellyn Creek (971217-1145-ACE)		0.08	0.80	0.09	0.35	0.00	0.348	0.037	0.151	0.002
Total Load Allocations							116.473	11.615	661.449	23.335
TMDL Percent Reduction										
							CBOD5	NH3-N	NO3+NO2-N	

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	972.329	37.117	2829.201	149.668

Table F-8. TMDL Summary for Wissahickon Creek (Segment 971209-1430-ACE)
Major Discharge DO = 6.0 mg/L

Waste Load Allocations										
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
None										
Total Waste Load Allocations							0.000	0.000	0.000	0.000
Load Allocations										
Source/Upstream Stream Segment		Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
Wissahickon Creek (971209-0930-ACE)		41.48	4.36	0.17	12.68	0.67	972.329	37.117	2829.201	149.668
Background		1.70	1.23	0.07	0.07	0.03	11.220	0.657	0.604	0.296
Total Load Allocations							972.329	37.117	2829.201	149.668
TMDL Percent Reduction										
							CBOD5	NH3-N	NO3+NO2-N	

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	1054.772	68.193	2879.529	157.681

Table F-9. TMDL Summary for Wissahickon Creek (Segment 971209-0930-ACE)
Major Discharge DO = 6.0 mg/L

Waste Load Allocations													
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction		
										CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	
Ambler Borough Water Department	PA0052515	0.0268	5.30	0.11	0.21	0.28	0.763	0.015	0.031	0.040	0.0	0.0	0.0
PA Historical & Museum Commission	PA0055387	0.0016	24.98	20.01	30.13	0.52	0.212	0.169	0.255	0.004	0.0	0.0	0.0
Fishbone, David	PA0054577	0.0011	9.99	2.97	5.94	0.37	0.059	0.018	0.035	0.002	0.0	0.0	0.0
Total Waste Load Allocations							1.033	0.202	0.321	0.046			
Load Allocations													
Source/Upstream Stream Segment		Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction		
Wissahickon Creek (971222-0930-ACE)		20.40	7.36	0.49	15.79	1.14	807.746	54.191	1732.655	125.190	0.0	0.0	0.0
Sandy Run (971215-1133-ACE)		7.94	2.47	0.26	23.70	0.70	105.559	11.298	1012.391	29.689	0.0	0.0	0.0
Lorraine Run (971215-1000-ACE)		12.50	2.09	0.04	2.00	0.04	140.434	2.502	134.162	2.756	0.0	0.0	0.0
Total Load Allocations							1053.738	67.990	2879.208	157.635			

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	541.021	57.271	1742.169	126.650

Table F-10. TMDL Summary for Wissahickon Creek (Segment 971222-0930-ACE)
Major Discharge DO = 6.0 mg/L

Waste Load Allocations													
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction		
										CBOD5 ^A	NH3-N ^A	NO3+NO2-N ^B	
Ambler Boro	PA0026603	10.0989	7.40	0.97	20.20	1.95	402.044	52.959	1097.109	106.031	26.0	35.3	0.0
Total Waste Load Allocations							402.044	52.959	1097.109	106.031			
Load Allocations													
Source/Upstream Stream Segment		Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction		
Wissahickon Creek (971222-1130-ACE)		10.29	2.51	0.08	11.65	0.37	138.977	4.313	645.060	20.619	0.0	0.0	0.0
Total Load Allocations							138.977	4.313	645.060	20.619			

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	0.360	0.014	0.046	0.008

Table F-11. TMDL Summary for Trewellyn Creek (Segment 971217-1145-ACE)
Major Discharge DO = 7.0 mg/L

Waste Load Allocations										
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
None										
Total Waste Load Allocations							0.000	0.000	0.000	0.000
Load Allocations										
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction
Background	0.08	0.79	0.03	0.10	0.02	0.360	0.014	0.046	0.008	0.0 0.0 0.0
Total Load Allocations						0.360	0.014	0.046	0.008	

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	0.360	0.018	0.453	0.046

Table F-12. TMDL Summary for Pine Run (Segment 971215-1300-ACE)
Major Discharge DO = 7.0 mg/L

Waste Load Allocations										
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
None										
Total Waste Load Allocations							0.000	0.000	0.000	0.000
Load Allocations										
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction
Background	0.08	0.79	0.04	0.99	0.10	0.360	0.018	0.453	0.046	0.0 0.0 0.0
Total Load Allocations						0.360	0.018	0.453	0.046	

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	58.031	13.735	159.291	12.687

Table F-13. TMDL Summary for Pine Run (Segment 971215-1303-ACE)

Major Discharge DO = 7.0 mg/L

Waste Load Allocations											
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction
											CBOD5 ^A
Upper Dublin Township	PA0029441	1.6996	6.31	1.50	17.37	1.38	57.671	13.717	158.838	12.641	57.9
Total Waste Load Allocations							57.671	13.717	158.838	12.641	40.0
											10.1

Load Allocations											
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction	
										CBOD5	NH3-N
Pine Run (971215-1300-ACE)	0.08	0.79	0.04	0.99	0.10	0.360	0.018	0.453	0.046	0.0	0.0
Total Load Allocations							0.360	0.018	0.453	0.046	0.0
											0.0

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	181.7161	34.4778	1045.4753	57.7506

Table F-14. TMDL Summary for Sandy Run (Segment 971215-1133-ACE)

Major Discharge DO = 7.0 mg/L

Waste Load Allocations											
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction
										CBOD5 ^A	NH3-N ^A
Abington Township	PA0026867	6.0495	2.90	0.70	27.24	1.39	94.364	22.775	886.439	45.197	71.0
Valley Green Corporate Center	PA0053074	0.0131	5.95	1.97	18.78	3.13	0.418	0.139	1.320	0.220	0.0
Total Waste Load Allocations							94.783	22.913	887.759	45.417	0.0
											0.0

Load Allocations											
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction	
										CBOD5	NH3-N
Background	0.11	1.95	0.07	0.50	0.20	1.112	0.040	0.282	0.113	0.0	0.0
Pine Run (971215-1303-ACE)	1.78	8.94	1.20	16.40	1.27	85.822	11.525	157.434	12.221	0.0	0.0
Total Load Allocations							86.933	11.565	157.716	12.334	0.0
											0.0

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	53.056	2.039	134.515	3.367

Table F-15. TMDL Summary for Lorraine Run (Segment 971215-1000-ACE)

Major Discharge DO = 7.0 mg/L

Waste Load Allocations											
Name	NPDES	Flow (mg/L)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction
Sayers, David & Marie	PA0057631	0.0008	9.99	2.24	4.98	0.52	0.042	0.010	0.021	0.002	0.0 0.0 0.0
Murray SRSTP	PA0053210	0.0008	9.90	0.52	0.99	0.52	0.042	0.002	0.004	0.002	0.0 0.0 0.0
Harris, Albert & Cynthia	PA0051012	0.0006	10.01	2.98	8.00	0.53	0.034	0.010	0.027	0.002	0.0 0.0 0.0
Total Waste Load Allocations							0.118	0.022	0.052	0.006	

Load Allocations											
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction	
Coorson's Quarry	12.50	0.79	0.03	2.00	0.05	52.938	2.017	134.463	3.361	0.0 0.0 0.0	
Total Load Allocations							52.938	2.017	134.463	3.361	

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	160.8926	37.2068	681.5265	65.0694

Table F-16. TMDL Summary for Wissahickon Creek (Segment 971218-1345-ACE)

Major Discharge DO = 7.0 mg/L

Waste Load Allocations											
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction
North Wales Boro	PA0022586	1.2898	4.00	1.05	13.64	1.88	27.752	7.286	94.621	13.025	60.0 58.0 10.0
Upper Gwynedd Townshi	PA0023256	8.8198	2.80	0.63	12.36	1.07	132.840	29.892	586.593	50.826	72.0 65.0 15.1
Bruce K. Entwistle	PA0057576	0.0011	9.92	2.97	1.00	0.49	0.059	0.018	0.006	0.003	0.0 0.0 0.0
Merck & Company, Inc.	PA0053538	0.10	0.45	0.02	0.58	2.28	0.241	0.011	0.307	1.216	0.0 0.0 0.0
Total Waste Load Allocations							160.893	37.207	681.527	65.069	

Load Allocations											
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction	
Background assumed as release from Merck & Company, Inc. and received a WLA											
Total Load Allocations							0.000	0.000	0.000	0.000	

A - Calculated from NPDES permit limit

B - Calculated from average of summer 2002 monitoring

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	255.218	27.188	672.605	62.535

Table F-17. TMDL Summary for Wissahickon Creek (Segment 971222-1130-ACE)
Major Discharge DO = 7.0 mg/L

Waste Load Allocations													
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)			
None													
Total Waste Load Allocations							0.000	0.000	0.000	0.000			
Load Allocations													
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction			
Wissahickon Creek (971218-1345-ACE)	10.21	4.64	0.49	12.25	1.14	254.869	27.150	672.454	62.533	0.0	0.0	0.0	
Trewellyn Creek (971217-1145-ACE)	0.08	0.80	0.09	0.35	0.00	0.348	0.037	0.151	0.002	0.0	0.0	0.0	
Total Load Allocations							255.218	27.188	672.605	62.535			

	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)
TMDL =	1176.286	66.409	2842.215	208.344

Table F-18. TMDL Summary for Wissahickon Creek (Segment 971209-1430-ACE)
Major Discharge DO = 7.0 mg/L

Waste Load Allocations													
Name	NPDES	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)			
None													
Total Waste Load Allocations							0.000	0.000	0.000	0.000			
Load Allocations													
Source/Upstream Stream Segment	Flow (cfs)	CBOD5 (mg/L)	NH3-N (mg/L)	NO3+NO2-N (mg/L)	Ortho PO4 (mg/L)	CBOD5 (lbs/day)	NH3-N (lbs/day)	NO3+NO2-N (lbs/day)	Ortho PO4 (lbs/day)	TMDL Percent Reduction			
Wissahickon Creek (971209-0930-ACE)	41.48	5.27	0.30	12.74	0.93	1176.286	66.409	2842.215	208.344	0.0	0.0	0.0	
Background	1.70	1.23	0.07	0.07	0.03	11.220	0.657	0.604	0.296	0.0	0.0	0.0	
Total Load Allocations							1176.286	66.409	2842.215	208.344			

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